



State of New Hampshire  
DEPARTMENT OF ENVIRONMENTAL SERVICES  
6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095  
(603) 271-3406 FAX (603) 271-7894



March 5, 2003  
Letter of Deficiency  
DSP #03-019

Mr. Jay Sylvester  
US Forest Service  
Box 239  
Bethlehem, NH 03574

RE: Long Pond Dam #023.01, Benton

Dear Mr. Sylvester:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that play a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on October 2, 2002. During this visual inspection and/or file review, the following deficiencies were observed:

- There is wave erosion on the far right upstream face of the dam;
2. There is brush on the crest of the dam;
  3. There is heavy cover of trees/brush on the downstream face of the dam;
  4. The earthen material is not level with the retaining wall located to the right of the spillway;
  5. The earthen material is not level with the left spillway abutment on the upstream side;
  6. There is an area of spalling concrete on the top of the retaining wall located to the right of the spillway; and
  7. The concrete located on the downstream face of the right spillway abutment has areas of efflorescence. Overall, the concrete work looks good.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

**July 31, 2003:**

Clear brush from the upstream face and crest of the dam, establish a hearty vegetative cover on all areas that were disturbed;

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2. Clear brush and trees from on and within 15 feet of the downstream face and toe of the dam, establish a hearty vegetative cover on all areas that were disturbed;
3. Bring the crest of the dam level with the concrete spillway and upstream right cutoff wall. Compact, loam and seed new earthen material;
4. Patch the area of spalling concrete on the top of the retaining wall located to the right of the spillway;

**Continuously Monitor:**

5. The areas of efflorescence located on the downstream face at the right spillway abutment; and

**Recommendation:**

6. Protect the far right upstream face of the dam from wave erosion;

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,

  
**COPY**  
Amy C. Clark, P.E.  
Dam Safety Engineer

Attachments DB8, DB13

cc: Gretchen Rule

Town of Benton

Certified # 7000 1670 0000 0586 1452

ACC/was/h:/safety/wendy/lod/023-01lod.doc